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United States Department of Agriculture,
BUREAU OF ANIMAL INDUSTRY.

JOHN R. MOHLER, CHIEF OF BUREAU.

SERVICE AND REGULATORY ANNOUNCEMENTS.

JUNE, 1919.

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 50 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY.

Meat Inspection Inaugurated.

267. John Stoyka, 739 University Avenue, St. Paul, Minn.
*281. The Equity Cooperative Packing Co., Fargo, N. Dak.

Meat Inspection Withdrawn.

41. Herman Isacs, 226 Oak Street, Bridgeport, Conn.

Meat Inspection Withdrawn Following Temporary Suspension.

763. Walter Gordon & Co., 406 Mystic Avenue, Somerville, Mass.
597. C. Stoppenbach's Sons, Jefferson, Wis.
86. North Cape Canning Co., Chicago, Ill.
98. Bristol Packing Co., Bristol, Tenn.
1007. The Haserot Canneries Co., Forestville, N. Y.
29. The Winorr Canning Co., Circleville, Ohio.

*Conducts slaughtering.

Meat Inspection Temporarily Suspended.

149. S. M. Holsinger Co., Morristown, Tenn.
 627. D. M. Bodine, 32 South Stockton Street, Trenton, N. J.
 58. Quin Wo Chung Kee Co., 105 Park Street, New York, N. Y.
 717. D. E. Nebergall Meat Co., Albany, Oreg.

Change in Address of Official Establishment.

735. S. W. Gall, 2119-2125 Freeman Avenue, Cincinnati, Ohio, instead of 1907 Dunlap Street.

Change in Name of Establishment.

148. Frank & Co., 644 Market Street, Milwaukee, Wis., instead of L. Frank & Son Co.
 623. The Capital City Products Co. (and Capital City Dairy Co. subsidiary), West First Avenue and Perry Street, Columbus, Ohio, instead of Capital City Dairy Co.
 276. Joseph Sahlen Estate, 318 Howard Street, Buffalo, N. Y., instead of Joseph Sahlen.

Stations Added.

- McNeill, Miss., beef-cattle production, Mr. S. W. Greene.
 Fargo, N. Dak., meat inspection, Dr. D. F. Stuck, care Equity Cooperative Packing Co.

Stations Discontinued.

- Collins, Miss.
 Albany, Oreg. (substation of Portland, Oreg.).

Change in Address of Inspectors in Charge.

- Dr. S. E. Cosford, 332 Federal Building, Lincoln, Nebr., instead of 414 Federal Building.
 Dr. J. T. Gaston, P. O. box 623, Warren, Ariz., instead of Bisbee, Ariz.

Note.

Add the following subsidiary companies to Establishment 135, Tifton Packing Co.: Armour & Co., Anglo-American Provision Co., Colorado Packing & Provision Co., Fowler Packing Co., Friedman Manufacturing Co., German-American Provision Co. (Chicago, Ill.), Halstead & Co., The New York Butchers Dressed Meat Co., The North American Provision Co., Prairie State Packing Co., James Wright & Co.

NOTICES REGARDING MEAT INSPECTION.**POST-MORTEM EXAMINATION OF REACTING CATTLE.**

The post-mortem examination of cattle which have reacted to the tuberculin test should receive special attention in order to locate all the lesions. This test is exceedingly accurate, and unless great care is exercised slight lesions may escape the macroscopic examination, to the discredit of the test. The post-mortem inspection of cattle which are properly designated as reactors to the tuberculin test should include an examination of all body lymph glands, although slight lesions in the viscera and adjacent lymph glands may be present. Further, if no lesion is found in the viscera or the body lymph glands the inspection should be continued so as to include a survey of the hide, the slicing of the mammary organ, and the splitting of the trachea for the detection of lesions which experience has shown may exist at some one of these points without other lesions. If after such complete examination no lesion is disclosed, specimens from the most suspicious glands should be forwarded to the Pathological Division laboratory for microscopical examination or animal inoculation. One copy of M. I. Form 112 F report covering reacting cattle should be forwarded immediately to the inspector in charge of tuberculosis-eradication work in the State in which the animal was condemned. In addition to the "U. S. Retained" tag number the identification of the animal should be indicated by the bureau or State reactor number.

PERMITTED COLORING SUBSTANCES.

Food inspection decision 180 strikes out from the list of permitted dyes, under "Yellow shades," "11. Sudan I," and "16. Butter yellow." In order to conform to this ruling, the bureau will permit only the following colors or mixtures of these colors to be used for dyeing casings of meat food products or to be added to prepared fats:

(a) Annatto and turmeric.

(b) Coal-tar colors as follows:

Red shades—

107. Amaranth.

53. Ponceau 3 R.

517. Erythrosine.

Orange shade—

85. Orange I.

Yellow shades—

4. Naphthol yellow S.

94. Tartrazine.

Yellow A. B. (benzenearazo-B-naphthylamine).

Yellow O. B. (ortho-tolueneazo-B-naphthylamine).

Green shade—

435. Light green S. F. yellowish.

Blue shade—

692. Indigo disulfoacid.

The numbers preceding the names refer to the numbers of the colors as listed in A. G. Green's edition of the Schultz-Julius Systematic Survey of the Organic Coloring Matters, published in 1904.

Sudan I and butter yellow have been found unsatisfactory in practical use for food-coloring purposes and therefore are withdrawn from the list of those which may be certified for use in foods.

MARKING MEATS PACKED IN BORAX.

Referring to the instructions in Service and Regulatory Announcements for January, 1918, under the caption "Meats packed in borax," hereafter containers of meats packed in borax may be stenciled with the statement "*Packed in borax*" in lieu of the statement "*Packed in preservative.*"

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, MAY, 1919.

Station.	Cattle.	Calves.	Sheep.	Goats.	Swine.
Chicago.....	165,316	75,154	255,508	2,320	674,543
Fort Worth.....	51,076	13,298	34,987	441	32,737
Kansas City.....	80,753	16,380	109,138	8,353	361,575
National Stock Yards.....	34,722	12,653	30,621	1,378	178,171
Omaha.....	72,717	5,957	116,895	658	248,267
St. Louis.....	12,625	3,193	3,795	.....	141,000
Sioux City.....	26,631	3,625	14,894	528	134,848
South St. Joseph.....	26,043	5,051	61,646	5	154,721
All other establishments.....	250,801	255,993	263,840	425	1,816,700
Total: May, 1919.....	720,684	391,304	894,324	14,118	3,743,463
May, 1918.....	781,755	357,353	659,063	13,987	3,092,325
11 months ended May, 1919.....	10,597,528	3,347,182	10,336,889	122,105	40,670,159
11 months ended May, 1918.....	10,108,725	3,010,720	8,032,199	131,698	32,666,056

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during May, 1919, with figures for other periods for comparison.

Imports of food animals.

Country of export.	Cattle.	Swine.	Sheep.	Goats.
Mexico.....	21,931	8	8,455	91
Canada.....	23,563	388	1,243	.....
Great Britain.....	587	.....	.....	.....
Total: May, 1919.....	46,081	396	9,698	91
May, 1918.....	23,849	49	3,908	1,903
11 months ended May, 1919.....	428,166	23,899	181,793	24,327
11 months ended May, 1918.....	267,019	13,638	151,620	23,789

Imports of meat and meat food products.

Country of export.	Fresh and refrigerated.		Canned and cured.	Other products.	Total weight.
	Beef.	Other.			
	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Argentina.....	.....	.....	1,704,888	17,964	1,722,852
Canada.....	1,332,052	1,473,041	456,734	508,002	3,769,829
Other countries.....	654,716	784,775	27,906	9,405	1,476,802
Total: May, 1919.....	1,986,768	2,257,816	2,189,528	535,371	6,969,483
May, 1918.....	741,639	462,877	1,898,459	304,566	3,407,541
11 months ended May, 1919.....	29,659,873	10,191,193	128,813,876	6,907,452	175,572,394
11 months ended May, 1918.....	17,240,624	5,381,559	21,601,099	11,209,611	55,432,893

Condemned in May, 1919: Beef, 5,376 pounds; mutton, 36 pounds; pork, 151 pounds; total, 5,563 pounds. Refused entry: Beef, 7,703 pounds; pork, 350 pounds; total, 8,053 pounds.

INSPECTION AND TESTING OF ANIMALS FOR CANADA.

The following changes have been made in the list of practicing veterinarians registered by the bureau and authorized to inspect and test with mallein horses, mules, and asses intended for export to Canada:

Names Removed from List.

Dr. J. L. Axby, Lawrenceburg, Ind.
 Dr. F. W. Caldwell, St. Joseph, Mo.
 Dr. James Hart, Lexington, Nebr.
 Dr. Chas. A. McKim, Norfolk, Nebr.
 Dr. W. R. O'Neal, Pomona, Calif.
 Dr. S. H. Ward, St. Paul, Minn.
 Dr. Lee A. Wilson, Taylors Falls, Minn.
 Dr. C. C. Wright, Lebanon, Oreg.

Changes in Addresses.

Dr. S. J. Alcalay, from Frazee, Minn., to Fairfax, Minn.
 Dr. C. E. Cotton, from Minneapolis, Minn., to St. Paul, Minn.

LICENSES FOR VETERINARY BIOLOGICAL PRODUCTS.

The following changes have been made in the list of licenses for the manufacture of veterinary biological products for the year 1919 under the act of Congress of March 4, 1913 (37 Stat., 832), and the regulations made thereunder (B. A. I. Order 196):

Licenses issued.

License No.	Date.	Name and address of firm.	Products.
4	1919 June 23	The Abbott Laboratories, 4753-57 Ravenswood Avenue, Chicago, Ill.	Mixed bacterin (for rabbits).
107	June 10	Jensen-Salsbery Laboratories (Inc.), 1320 Main Street, Kansas City, Mo.	Mixed-infection bacterin (for cattle).
140	June 2	Mitchell Serum Co., Grand Island, Nebr.....	Antihog-cholera serum; hog-cholera virus.

REQUIREMENTS FOR LABELING VETERINARY BIOLOGICS.

The second paragraph of the notice appearing on page 37 of Service and Regulatory Announcements for April, 1919, under the caption identical with that of this notice is modified and explained as follows:

The names of the organisms or antigens used in the manufacture of licensed veterinary biological products need not be shown on trade labels relating to these products, unless so desired by the manufacturer, when the names by which they are identified are significative in this respect. This applies to anthrax products, blackleg products, tetanus antitoxin, antihog-cholera serum, hog-cholera virus, diagnostic agents, and the like when prepared by the usual or standard methods now employed. Labels which are too small to permit appropriate instructions to be shown with clearness should bear in substance "directions inclosed" or "directions herewith," as methods of distribution may require, it being understood that in such cases full directions on carton labels or otherwise are to accompany the products concerned to the users thereof.

ANIMALS FROM WHICH HOG-CHOLERA VIRUS FOR SIMULTANEOUS INOCULATION MAY BE COLLECTED.

Requirements concerning hog-cholera virus intended for simultaneous inoculation which appear on pages 70 and 71 of Service and Regulatory Announcements for June, 1917, are hereby modified so that such hog-cholera virus may be collected from pigs inoculated for the production of virus to be used for hyperimmunization provided only animals are selected which meet all requirements prescribed for pigs furnishing simultaneous virus with the following exceptions:

1. Temperatures of the animals may be taken and recorded subsequent to inoculation as set forth in paragraph 4 found under the caption "Requirements concerning hog-cholera virus intended for hyperimmunization" on page 69 of the above announcements.

2. The physical condition of the animals need not be recorded until on and after the fifth day subsequent to inoculation when visible symptoms of sickness are not exhibited prior to that time.

The purpose of this order is to provide for a wider range of selection of pigs on ante-mortem inspection than is now practicable, from which simultaneous virus may be collected. Those animals, which upon inspection on and after the fifth day subsequent to inoculation appear suitable for the above-named purpose, should be placed in separate pens for observation pending final disposition.

FOREIGN OFFICIALS AUTHORIZED TO SIGN INSPECTION CERTIFICATES FOR MEAT AND PRODUCTS FOR IMPORTATION INTO THE UNITED STATES.

The following are additional names, addresses, and facsimile signatures of foreign national Government officials authorized to sign and issue certificates of inspection for meat and meat food products offered for importation into the United States:

Country, name, and address.	Signature.
BRAZIL.	
Dr. Adalgiso Ferreira de Souza, Sant' Anna do Livramento, Rio Grande do Sul, Brazil.	<i>Dr. Adalgiso Ferreira de Souza</i>
Dr. Capitulino Vilella Barboza, Sant' Anna do Livramento, Rio Grande do Sul, Brazil.	<i>Capitulino Vilella Barboza</i>
CANADA.	
Ronald Gwatkin, 1127 Keele Street, Toronto, Ontario.	<i>Ronald Gwatkin</i>
Charles H. Richardson, 1127 Keele Street, Toronto, Ont- ario.	<i>Charles H. Richardson</i>
H. Sproston, 711 Boyd Build- ing, Winnipeg, Manitoba.	<i>H. Sproston.</i>
H. C. Storey, 711 Boyd Build- ing, Winnipeg, Manitoba.	<i>H. C. Storey.</i>
E. B. Ungar, 1127 Keele Street, Toronto, Ontario.	<i>E. B. Ungar</i>

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS.

Penalties have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Live-Stock Quatantine Law.

- Norfolk & Western Railway Co. (2 cases), \$200 fines and \$34.50 costs.
- Southern Railway Co., \$100 fine and \$7.65 costs.
- Louisiana & Arkansas Railway Co., \$100 fine.
- Louisville & Nashville Railroad Co. (7 cases), \$700 fines.
- J. L. Lancaster and Pearl Wight, receivers Texas & Pacific Railway Co., \$100 fine and \$26.85 costs.
- Kansas City, Mexico & Orient Railroad Co., \$100 fine and \$19.45 costs.
- Wells Fargo & Co. Express, \$100 fine.

Twenty-Eight-Hour Law.

Central of Georgia Railway Co. (2 cases), \$200 fines.

Delaware & Hudson Co., \$125 fine.

New York Central Railroad Co. (39 cases), \$4,424 fines and \$192 costs.

Atchison, Topeka & Santa Fe Railway Co. (2 cases), \$200 fines and \$31.16 costs.

Baltimore & Ohio Railroad Co. (4 cases), \$400 fines and \$25.55 costs.

Chesapeake & Ohio Railway Co. (13 cases), \$1,300 fines and \$222.40 costs.

Chicago, Rock Island & Pacific Railway Co. (4 cases), \$400 fines and \$19.12 costs.

Erie Railroad Co. (56 cases), \$15,000 fines and \$76.05 costs.

Norfolk & Western Railway Co., \$375 fine and \$11.25 costs.

Boston & Maine Railroad Co. (9 cases), \$1,000 fines.

Pittsburgh, Cincinnati, Chicago & St. Louis Railway Co. (3 cases), \$300 fines and \$56.70 costs.

CASUALTIES TO BUREAU EMPLOYEES IN MILITARY SERVICE.

In addition to advising this office as to former employees who lost their lives in the military service in the war with Germany, the bureau desires that chiefs of divisions and inspectors and others in charge send in any information that may come to their attention concerning such employees who may have been wounded in line of duty.

NOTICE TO THOSE IN CHARGE OF FIELD STATIONS.

In complying with instructions appearing on page 37 of Service and Regulatory Announcements for April, 1919, under the caption, "Notice to those in charge of field stations," the character of the work in which inspectors in charge are engaged hereafter will be given in full, as "Inspector in Charge, Meat Inspection," "Inspector in Charge, Virus-Serum Control," etc.

TEXAS-FEVER QUARANTINE—PLACES TO WHICH SOUTHERN CATTLE MAY BE SHIPPED FOR IMMEDIATE SLAUGHTER.

The following change has been made in the list published in Service and Regulatory Announcements for June, 1918, of places to which southern cattle may be shipped for immediate slaughter under State and Federal permission.

Permission Granted.

MARYLAND: *Frederick, J. A. Whitfield Co. (Inc.).*

PERMITTED DISINFECTANT.

In accordance with the provisions of B. A. I. Order 263, the bureau has granted permission for the use of "NSCO Cresol Compound," manufactured by the National Supply Co., Birmingham, Ala., as a substitute for compound solution of cresol, U. S. P., in the general disinfection of cars, yards, and other premises.

STATUS OF TICK ERADICATION IN VARIOUS STATES, MAY, 1919.

State.	Dipped during month.		Amount of infection.		Square miles being worked.	Inspectors.			Vats available.
	Herds.	Cattle.	Herds.	Cattle.		B. A. I.	State.	County.	
Alabama.....	214,098	1,014,684	18,434	81,817	47,637	28	51	397	7,743
Arkansas.....	121,942	695,554	30,223	183,824	34,659	47	228	39	3,681
Florida.....	18,788	352,899	9,143	30,885	50,032	15	47	59	1,263
Georgia.....	71,103	529,260	8,775	17,453	17,832	26	33	111	1,299
Louisiana.....	209,876	1,774,341	5,879	46,836	45,164	37	30	472	4,638
Mississippi.....	55,335	532,558	128	490	35,367	23	25	184	5,726
North Carolina.....	2,087	8,291	1,915	6,719	9,346	7	11	16	481
Oklahoma.....	58,649	612,999	15,012	149,733	20,135	26	25	132	1,130
South Carolina.....	25,072	155,487	9,933	4,449	16,340	32	57	.....	806
Texas (Fort Worth).....	125,510	1,628,607	39,978	525,894	64,339	34	32	400	4,271
Texas (Houston).....	21,560	616,679	12,348	131,912	36,587	15	2	68	1,172
Total.....	924,020	7,621,269	142,768	1,180,003	377,448	290	541	1,878	32,210

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH THE VARIOUS STATES, MAY, 1919.

Station.	States.	Tuberculin tests.			Em- ploy- ees.		Inspector in charge.	State official.
		Herds or lots.	Cattle tested.	Reacted.	Bureau.	State.		
Albany, N. Y.....	N. Y.....	47	1,389	98	5	4	H. B. Leonard..	D. W. McLaury, Albany.
Atlanta, Ga.....	Ga.....	31	840	28	4	1	W. M. MacKellar.	P. F. Bahnsen, Atlanta.
Birmingham, Ala.....	Ala.....	42	1,132	11	3	1	R. E. Jackson.....	C. A. Cary, Auburn.
Bismarck, N. Dak.....	N. Dak.....	61	1,175	42	3	2	H. H. Cohenour.	W. F. Crewe, Bismarck.
	Mass.....	15	285	32	4	.....	E. A. Crossman.	L. H. Howard, Boston.
	Me.....	62	934	42	3	3	.....do.....	Boyden Bearce, Augusta.
Boston, Mass.....	R. I.....	3	36	5	1	.....	.....do.....	J. S. Pollard, Providence.
	Conn.....	9	321	5	1	.....	.....do.....	J. M. Whittlesey, Hartford.
	N. H.....	5	112	.....	1	.....	.....do.....	A. L. Felker, Concord.
Charleston, W. Va.....	W. Va.....	5	114	.....	2	1	Geo. W. Neff.....	J. H. Stewart, Charleston.
Chicago, Ill.....	Ill.....	81	1,505	102	9	2	J. J. Lintner.....	A. T. Peters, Springfield.
Columbia, S. C.....	S. C.....	25	731	32	3	2	W. K. Lewis.....	R. O. Feeley, Clemson College.
Columbus, Ohio.....	Ohio.....	125	1,876	152	7	.....	Leo E. Davis.....	T. A. Burnett, Columbus.
Des Moines, Iowa.....	Iowa.....	36	953	101	4	2	F. H. Thompson.....	R. D. Wall, Des Moines.
Harrisburg, Pa.....	Pa.....	93	1,385	104	8	2	P. E. Quinn.....	C. J. Marshall, Harrisburg.
Helena, Mont.....	Mont.....	54	1,413	39	4	2	R. Snyder.....	W. J. Butler, Helena.
Indianapolis, Ind.....	Ind.....	43	829	25	5	5	J. E. Gibson.....	L. E. Northrup, Indianapolis.
	Ky.....	40	587	66	4	5	.....do.....	S. F. Musselman, Frankfort.
Jackson, Miss.....	Miss.....	100	1,500	6	8	1	J. A. Barger.....	E. M. Ranek, Agricultural College.
Jefferson City, Mo.....	Mo.....	4	252	19	2	.....	Ralph Graham.....	D. F. Luckey, Jefferson City.
Lansing, Mich.....	Mich.....	42	990	20	5	2	T. S. Rich.....	H. H. Halladay, Lansing.
Lincoln, Nebr.....	Nebr.....	38	543	38	4	3	S. E. Cosford.....	W. T. Spencer, Lincoln.
Little Rock, Ark.....	Ark.....	4	18	1	1	.....	M. Gregory.....	R. M. Gow, Little Rock.
Madison, Wis.....	Wis.....	123	3,512	149	10	1	J. S. Healy.....	C. P. Norgord, Madison.
Montpelier, Vt.....	Vt.....	55	1,273	51	5	5	A. J. De Fosset.	E. S. Brigham, Montpelier.
Nashville, Tenn.....	Tenn.....	65	1,826	20	6	3	W. B. Lincoln.....	M. Jacob, Nashville.
New Orleans, La.....	La.....	44	1,166	35	4	.....	R. W. Tuck.....	E. P. Flower, Baton Rouge.
Oklahoma, Okla.....	Okla.....	13	284	25	2	1	W. C. Drake, jr.	J. A. Whitehurst, Oklahoma.
Pierre, S. Dak.....	S. Dak.....	74	765	35	3	2	J. O. Wilson.....	A. F. Beaumont, Pierre.
Portland, Ore.....	Oreg.....	62	531	37	5	1	S. B. Foster.....	W. H. Lytle, Salem.
	Wash.....	309	2,424	50	2	3	.....do.....	E. F. Benson, Olympia.
	Va.....	108	2,180	112	10	1	R. E. Brookbank	J. G. Fernyhough, Richmond.
Richmond, Va.....	N. C.....	241	1,023	11	6	2	.....do.....	Wm. Moore, Raleigh.
	Minn. ¹	100	2,463	142	16	6	W. J. Fretz.....	C. E. Cotton, St. Paul.
St. Paul, Minn.....	Minn. ²	93	2,303	59	.....	.....	.....do.....	Do.
	Utah.....	28	400	3	3	.....	F. E. Murray.....	R. W. Hoggan, Salt Lake City.
Salt Lake, Utah.....	Idaho.....	12	199	3	2	.....	.....do.....	J. B. Adams, Boise.
	Neu.....	10	81	5	1	.....	.....do.....	Edw. Records, Reno.
Tallahassee, Fla.....	Fla.....	59	734	45	5	2	J. G. Fish.....	J. W. De Milley, Tallahassee.
Topeka, Kans.....	Kans.....	35	1,833	17	3	1	H. M. Graefe.....	J. H. Mercer, Topeka.
Trenton, N. J.....	N. J.....	12	299	24	2	1	W. G. Middleton	J. H. McNeill, Trenton.
	Del.....	4	73	7	.....	.....	.....do.....	H. P. Eves, Wilmington.
	D. C.....	78	160	1	2	.....	J. A. Kiernan.....	R. C. Reed, Baltimore.
Washington, D. C.....	Md.....	53	994	33	6	1	.....do.....	Do.
	Miscel.....	25	38	4	1	.....	.....do.....	Do.
Total.....		2,559	43,500	1,837	185	67		

¹ Accredited-herd work.² Area work.

PUBLICATIONS IN JUNE.

[The bureau keeps no general mailing list for sending publications to individual employees. When a new publication is issued one or more copies are usually sent to each officer in charge of a station. If additional copies are desired for distribution to members of the force or for other use they will be sent on request if possible. Individual employees who wish to obtain any of the publications listed here should apply first to the local officer in charge. If he has no extra copies, application may then be made to the Washington office.]

Department Bulletin 782. A Study of the Alkali-Forming Bacteria Found in Milk. By S. Henry Ayers, Philip Rupp, and William T. Johnson, jr., Dairy Division. Pp. 39, figs. 2.

Department Circular 7. Trend of the Dairy-Cattle Industry in the United States and Other Countries. By T. R. Pirtle, Dairy Division. Pp. 19, figs. 21.

Department Circular 46. How to Make a Hog Crate. Prepared in the bureau. Pp. 2.

B. A. I. Order 263. Regulations Governing the Interstate Movement of Live Stock. Effective on and after July 1, 1919. Pp. 37.

B. A. I. Order 264. Regulations Governing the Inspection, Humane Handling, and Safe Transport of Export Animals. Effective June 5, 1919. Pp. 23.

Amendment 8 to B. A. I. Order 211. Regulations Governing the Meat Inspection of the U. S. Department of Agriculture. Effective on and after June 16, 1919. P. 1.

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Division of Hog-Cholera Control: U. G. HOUCK, chief.

Office of Virus-Serum Control: D. I. SKIDMORE, acting in charge.

Office of Accounts: A. C. DAVIS, acting in charge.

Appointment Section: GEORGE H. RUSSELL in charge.

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